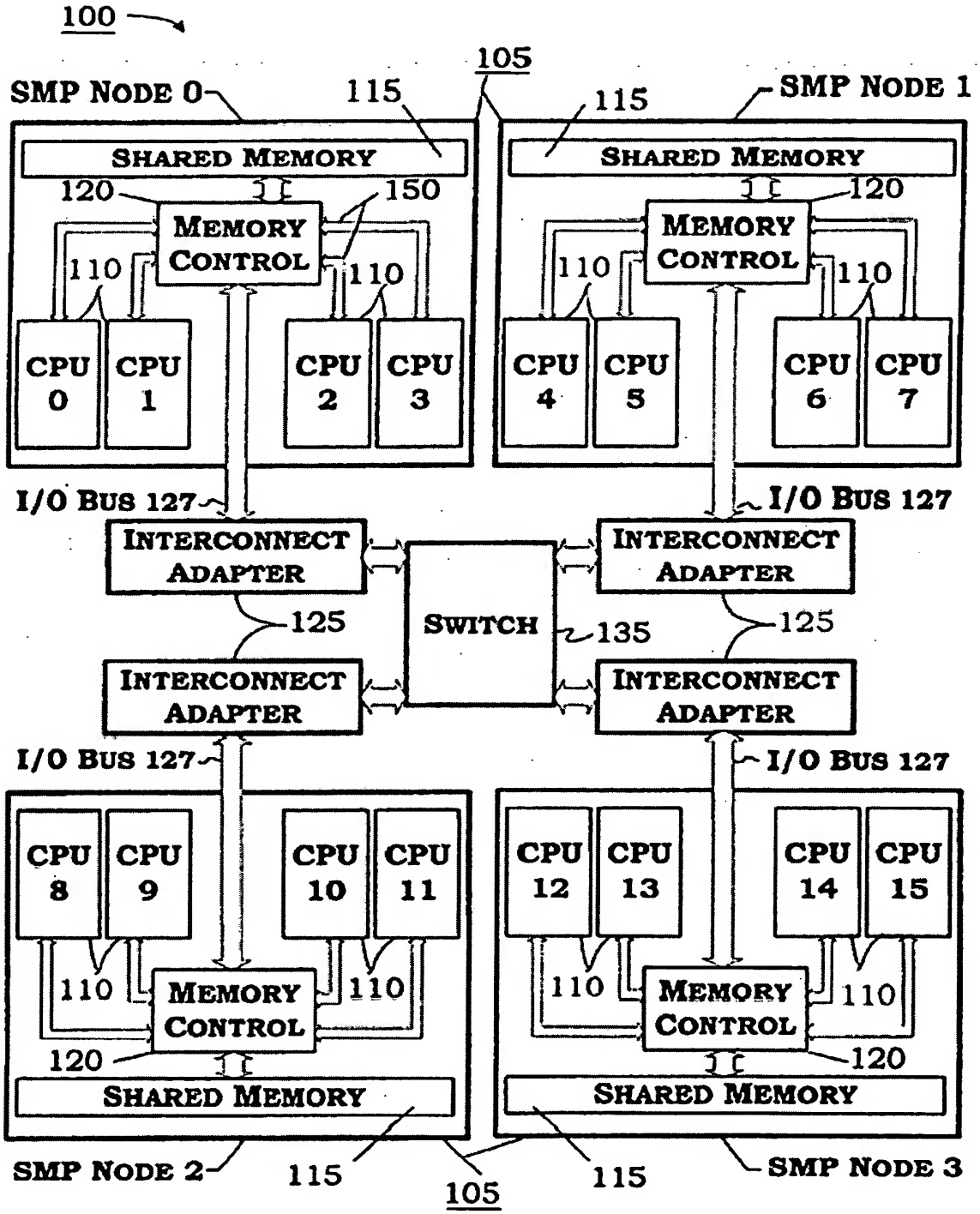

FIG. 1

BEST AVAILABLE COPY

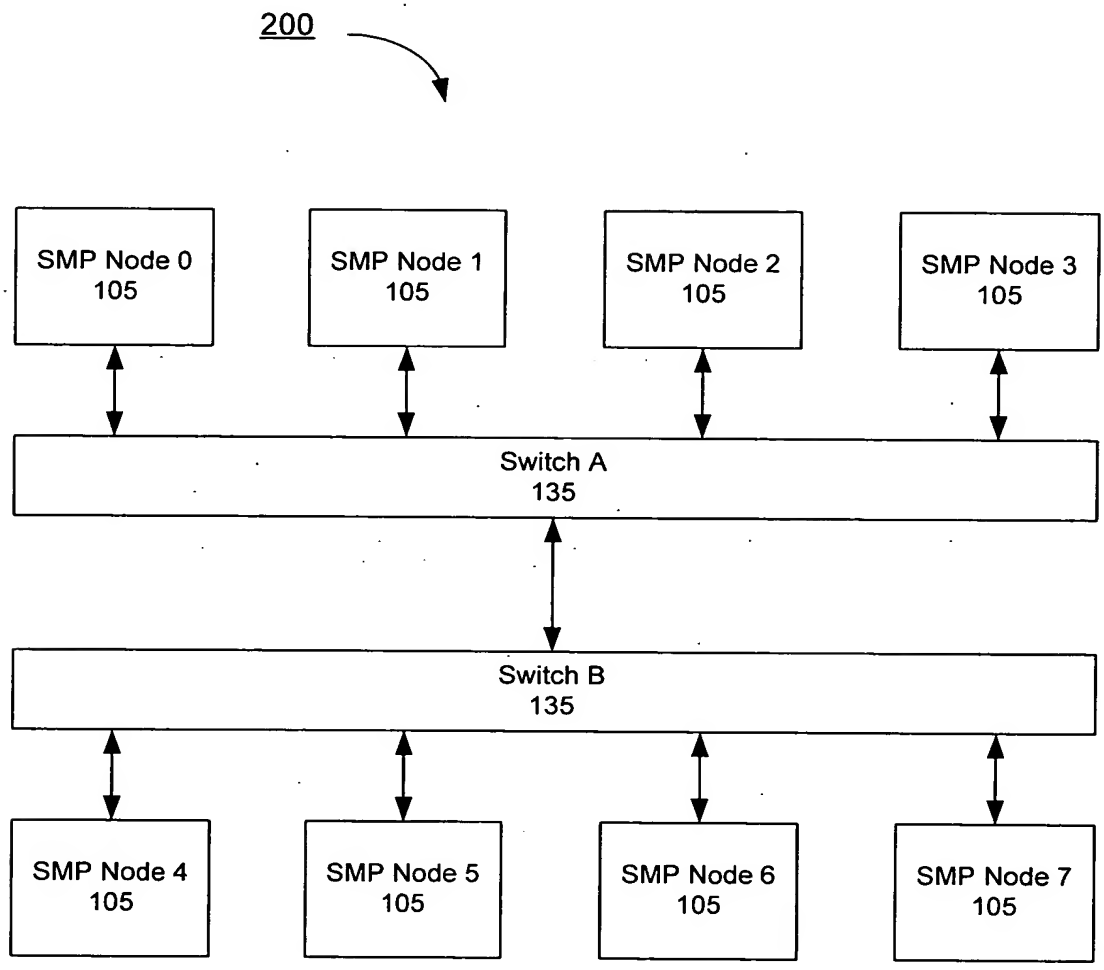
200
SMP Node 0
105
SMP Node 1
105
SMP Node 2
105
SMP Node 3
105
Switch A
135
Switch B
135
SMP Node 4
105
SMP Node 5
105
SMP Node 6
105
SMP Node 7
105

FIG. 2

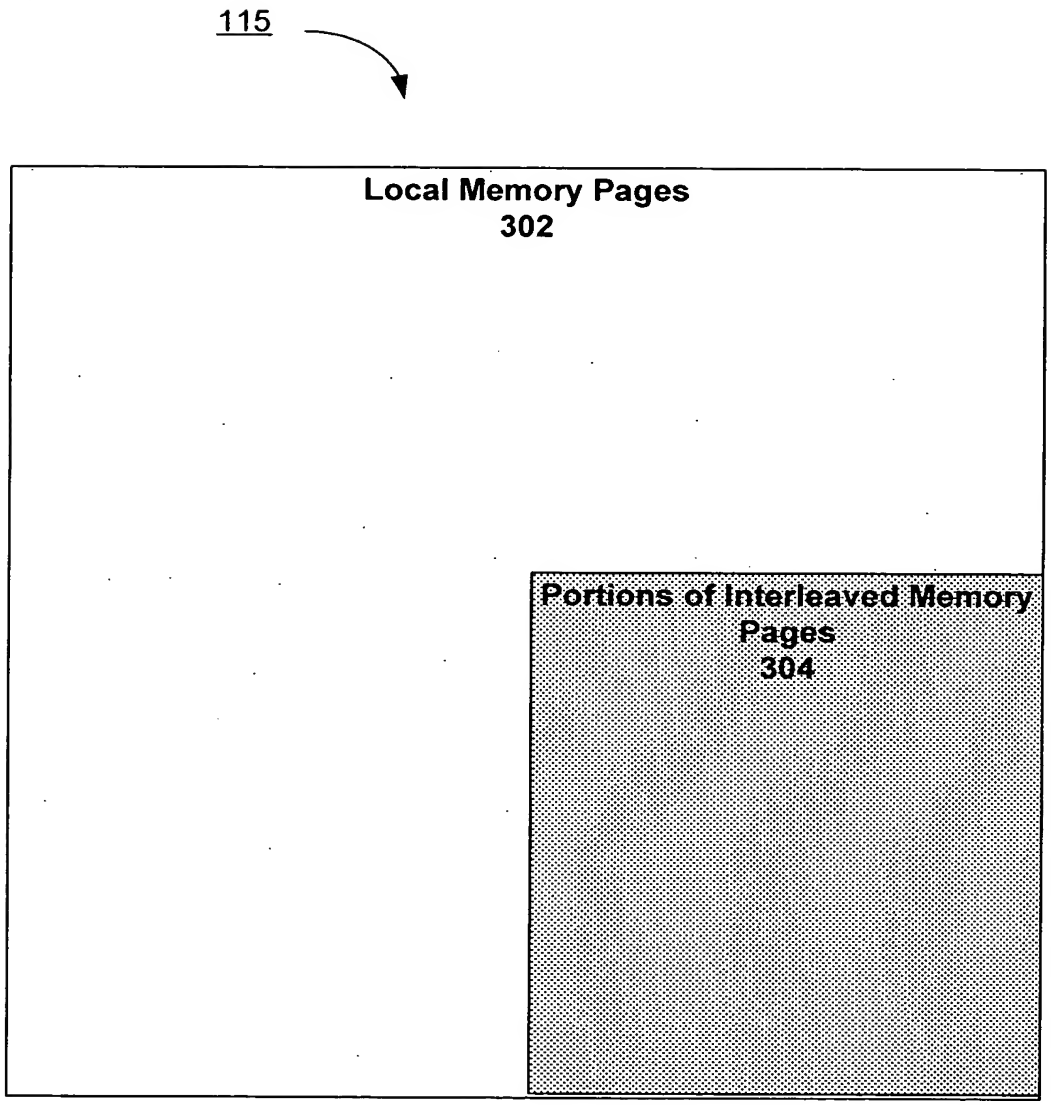
115
Local Memory Pages
302
Portions of Interleaved Memory Pages
304

FIG. 3

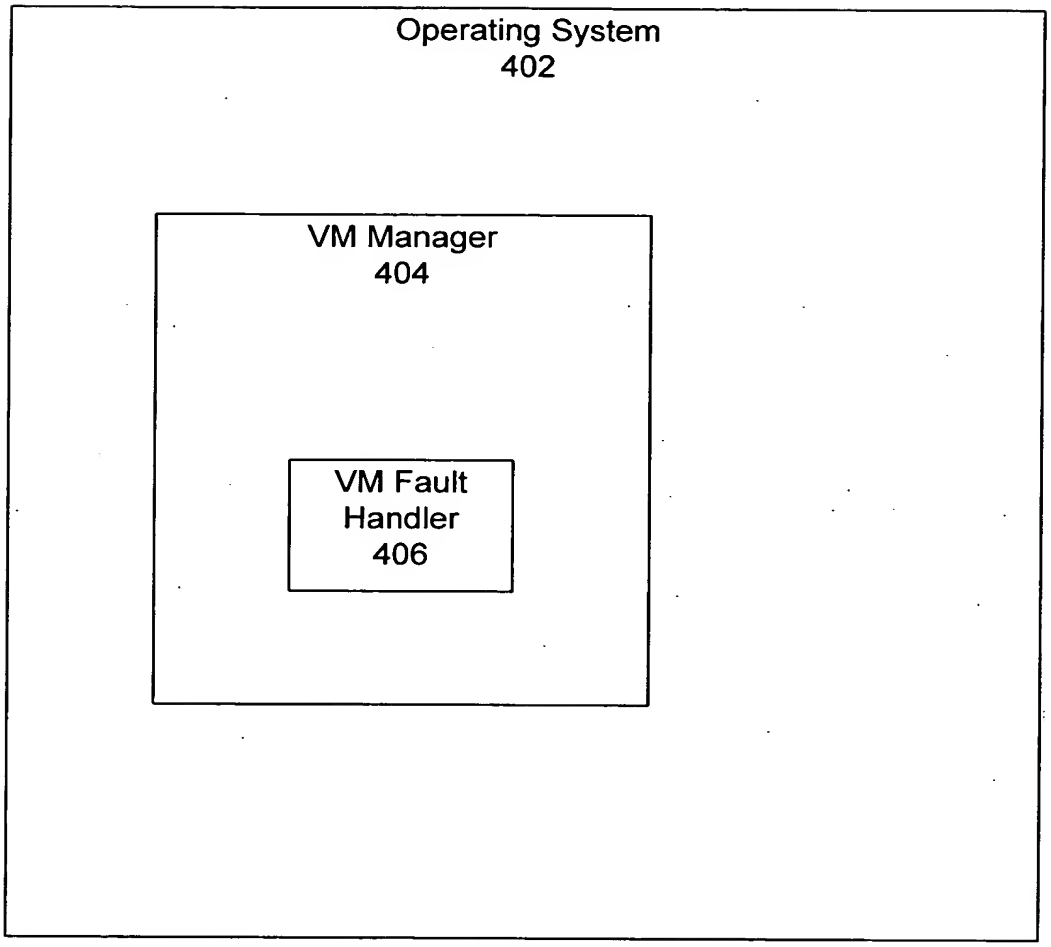

FIG. 4

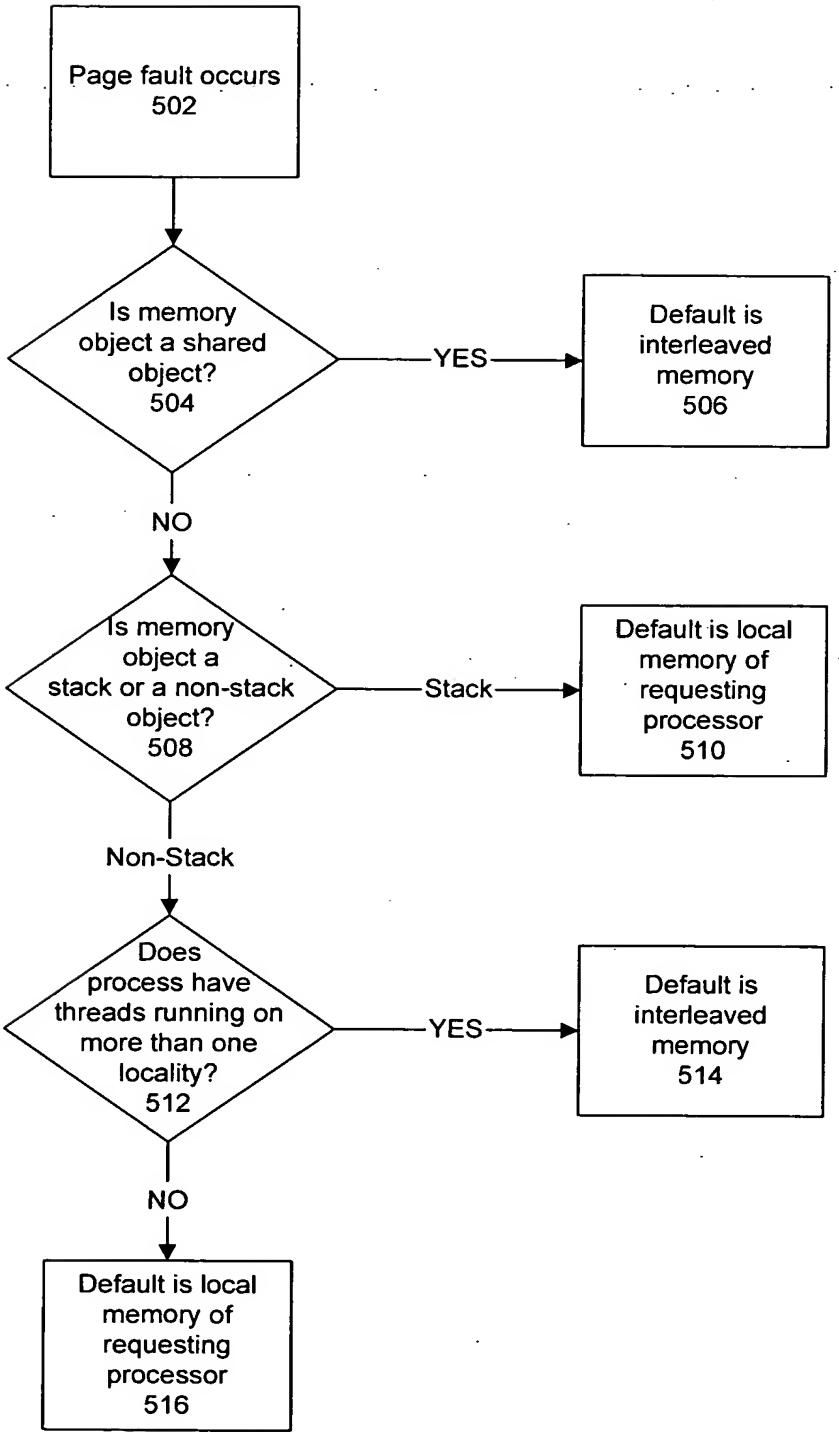
Page fault occurs
502
Is memory object a shared object?
504
YES
Default is interleaved memory
506
NO
Is memory object a stack or a non-stack object?
508
Stack
Default is local memory of requesting processor
510
Non-Stack
Does process have threads running on more than one locality?
512
YES
Default is interleaved memory
514
NO
Default is local memory of requesting processor
516

FIG. 5 500